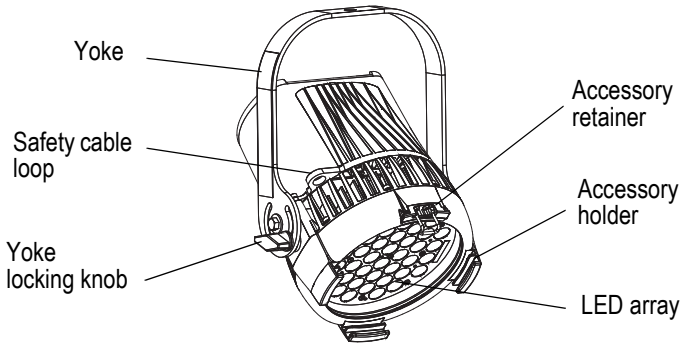
ETC Desire® Quick Guide

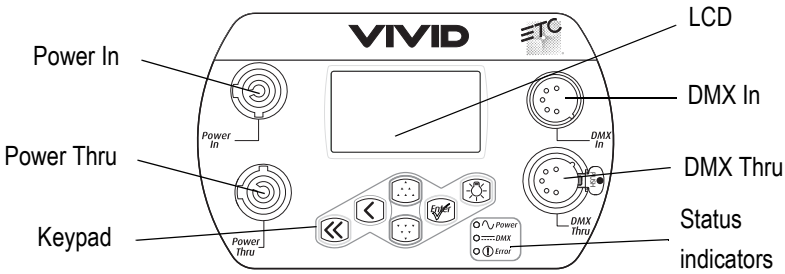
D22, D40, D40XT, D60

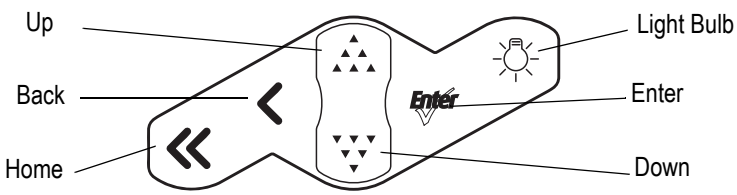
Overview

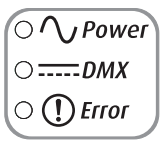
For complete information and step-by-step instructions, see *Desire Series by ETC D22, D40, D40XT, D60 User Manual*. ETC documentation can be downloaded at www.etcconnect.com/downloads.aspx.

The features shown in the following graphics may not appear on all Desire Series fixtures.









Power – Indicates AC power is On.

DMX – Indicates control signal is Active.

Error – Indicates data error, high temperature, or other unusual status.

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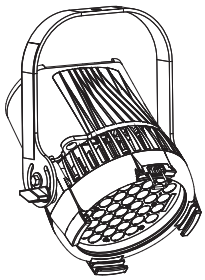
Desire D22, D40, D40XT, D60 v1.5.0

Install



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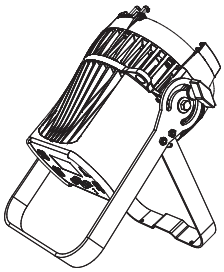
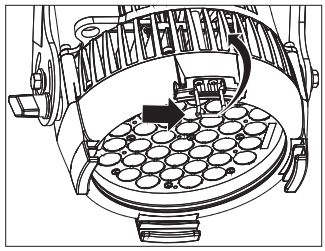
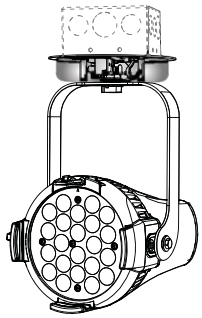


With floor stand



Accessory holder and clip



Canopy mount (D22 only)

Track mount (D22 only)

D22 Portable, D40, D40XT, D60

Step 1: Hang or mount the fixture.

Step 2: Attach safety cable.

Step 3: Insert secondary lens with smooth side out, if desired.

Step 4: Insert additional accessories if desired. (top hat, egg crate, etc.)

WARNING: ***Use only hardware rated for total weight of fixture and accessories.***

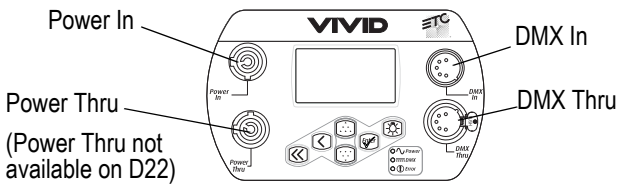
The safety cable (or other approved safety device) must be securely attached to the safety cable loop before loosening the clamp.

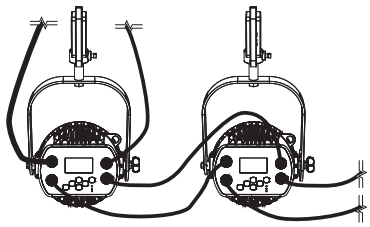
D22 Canopy and D22 Track

See the *Desire Series D22 Installation Guide* for details on installing the Canopy and Track mounted options of the D22 fixture.

Connect

D22 Portable, D40, D40XT, and D60





Step 1: If using external DMX or RDM control, attach a 5-pin XLR cable to DMX In.

Step 2: Connect power cable to AC power.

Step 3: Plug the XLR cable into data source, if applicable.

Step 4: Link any additional fixtures via Power Thru and DMX Thru connectors.

- The D22 fixture does not have the Power Thru option.

WARNING:

- ***Do not link more than nine fixtures when using Power Thru (non-dimming, 100 to 240 VAC, 50/60 Hz). Power Thru is not available on all Desire Series fixtures.***
- ***Up to 32 devices can be daisy-chained together per data run.***
- ***Disconnect Power and DMX before all cleaning and maintenance.***

ETC Desire Quick Guide

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Note: *For setup of D22 track and canopy mounted fixtures, see the D22 Installation Guide. ETC documentation can be downloaded at www.etcconnect.com.*

Focus

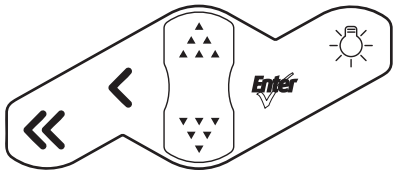
Step 1: Supply power and wait for the fixture to boot up.

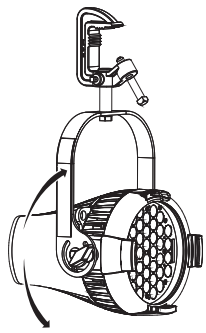
Step 2: Press **[ ]** to open **Presets & Sequences**.

Step 3: Select **Focus** and press **[Enter]** to turn on LED array.

Step 4: Adjust fixture's position.

Step 5: Once focus is set, press **[Enter]** to turn off LED array and then **[<<]** to return to home screen.





Address

Step 1: From the home screen, press **[Enter]** to open **Main Menu**.

Step 2: On the **Main Menu**, scroll to **DMX Start Address**, press **[Enter]**.

Step 3: Use **[▲]** or **[▼]** to scroll to desired address.

Step 4: Press **[Enter]** to select address number.

Step 5: Press **[<<]** to return to home screen.

* DMX address is not needed if using standalone or master/slave control.

Features Quick Setup

Step 1: On the **Main Menu**, scroll to **Quick Setups**.

Step 2: Press **[Enter]**.

Step 3: Scroll to the desired setup and then press **[Enter]**.
An asterisk (*) indicates which setup is active.

Step 4: Press **[<<]** to return to the home screen.
The top line of the home screen displays the name of the active setup.

Individual features and settings are adjustable under the Advanced menu. Consult the User Manual for more information on advanced features of Desire fixtures.

Quick Color (Vivid, Lustr+, Fire and Ice, Studio HD)

Quick Color allows you to easily select a color and its intensity from a predefined menu. This feature overrides any presets or sequences previously selected and is only available when there is no external DMX signal to the fixture.

Note: *Exiting the Quick Color menu will return the fixture to the state it was in prior to entering the menu.*

To select a Quick Color:

Step 1: Press the **[☼]** to access the **Presets and Sequences** screen.

Step 2: Within the **Presets and Sequences** screen, scroll to **Quick Color** and press **[Enter]**.

Step 3: Scroll to **Color** and press **[Enter]**.

Step 4: Scroll to the desired color and press **[Enter].**

Step 5: Scroll to adjust the fixture's intensity and press **[Enter]** to commit the selection.

Step 6: To exit the Quick Color menu, press **[«]**.

Quick Setups

D40, D40XT and D60 – Vivid, Lustr+, Fire, Ice, Studio HD
D22 – Lustr+, Studio HD

Quick Setup	Features	Recommended For:
General	Smooth dimming, good consistency, direct color control.	General lighting, rentals, indoor applications.
Stage	Tungsten-like dimming, HSI color control with Plus-7 fine tuning.	Theatrical lighting, installations mixed with tungsten.
XT Arch	Maximum consistency in extreme applications, reduced brightness.	High-temperature environments, installations with limited access.
High Impact	Maximum brightness, quick response, RGB color control, reduced consistency.	Video-based control, effects lighting, concerts.
Studio	Three-point control—White Point (CCT), Intensity and Tint; standalone operation.	Video and film lighting, white light-only applications.

Parameter	General	Stage	XT Arch	High Impact	Studio
DMX Settings					
Profile	Direct	HSI	HSI	RGB	Studio
Strobe	Enabled	Enabled	Enabled	Enabled	Enabled
Data Loss Setting	Instant	Instant	HLL-4ever	Instant	N/A
Plus Seven	N/A	Enabled	Disabled	Disabled	Disabled
Fan Control (D60 only)	DMX	DMX	DMX	DMX	DMX
LED Settings					
Output Setting	Regulated	Regulated	Protected	Boost	Regulated
Dimming Curve	Standard	Incandescent	Standard	Quick	Linear
Red Shift	N/A	Disabled	Disabled	Disabled	N/A
White Point	N/A	3200	3200	5600	N/A
Local Settings					
Status Indicators	On	On	On	On	On
Overtemp	Dark	Dark	Visible	Dark	Visible

D22, D40, D40XT and D60 – Studio Tungsten and Daylight

Quick Setup	Features	Recommended For:
Studio	Linear dimming, simple standalone operation via the UI.	Video or film lighting, installations without DMX control.
Stage	Tungsten-like dimming, stage-friendly settings, DMX fan control.	Theatrical lighting, installations mixed with tungsten.
Single Channel	Standard dimming, automatic fan, only 1 DMX channel.	Architectural applications with streamlined control.

Parameter	Studio	Stage	Single Channel
DMX Settings			
Profile	Intensity	Intensity	Intensity
Strobe	Enabled	Enabled	Disabled
Data Loss Setting	N/A	Instant	Instant
Fan Control (D60 only)	DMX	DMX	Automatic
LED Settings			
Output Setting	Regulated	Regulated	Regulated
Dimming Curve	Linear	Incandescent	Standard
Local Settings			
Status Indicators	On	On	On
Overtemp	Visible	Dark	Dark

DMX Profiles

D22, D40, D40XT and D60 – Studio Tungsten and Studio Daylight

Channel	Control
1	Intensity
2	Strobe*
3	Fan control*

D40 – Vivid, Lustr+, Fire, Ice, Studio HD
D22 – Lustr+, Studio HD

Channel	HSI	HSIC	RGB	Studio	Direct
1	Hue	Hue	Red	Intensity	Color 1
2	Hue fine	Hue fine	Green	Color temp	Color 2
3	Saturation	Saturation	Blue	Tint	Color 3
4	Intensity	Intensity	N/A	N/A	Color 4
5	Strobe*	Strobe*	Strobe*	Strobe*	Color 5
6	N/A	Color temp	N/A	N/A	Color 6
7	Plus7 on/off*	Plus7 on/off*	Plus7 on/off*	Plus7 on/off*	Color 7
8	Plus7 - (1)*	Plus7 - (1)*	Plus7 - (1)*	Plus7 - (1)*	Intensity
9	Plus7 - (2)*	Plus7 - (2)*	Plus7 - (2)*	Plus7 - (2)*	Strobe*
10	Plus7 - (3)*	Plus7 - (3)*	Plus7 - (3)*	Plus7 - (3)*	N/A
11	Plus7 - (4)*	Plus7 - (4)*	Plus7 - (4)*	Plus7 - (4)*	N/A
12	Plus7 - (5)*	Plus7 - (5)*	Plus7 - (5)*	Plus7 - (5)*	N/A
13	Plus7 - (6)*	Plus7 - (6)*	Plus7 - (6)*	Plus7 - (6)*	N/A
14	Plus7 - (7)*	Plus7 - (7)*	Plus7 - (7)*	Plus7 - (7)*	N/A

D60 – Vivid, Lustr+, Fire, Ice, Studio HD

Channel	HSI	HSIC	RGB	Studio	Direct
1	Hue	Hue	Red	Intensity	Color 1
2	Hue fine	Hue fine	Green	Color temp	Color 2
3	Saturation	Saturation	Blue	Tint	Color 3
4	Intensity	Intensity	N/A	N/A	Color 4
5	Strobe*	Strobe*	Strobe*	Strobe*	Color 5
6	Fan control*	Fan control*	Fan control*	Fan control*	Color 6
7	N/A	Color temp	N/A	N/A	Color 7
8	Plus7 on/off*	Plus7 on/off*	Plus7 on/off*	Plus7 on/off*	Intensity
9	Plus7 - (1)*	Plus7 - (1)*	Plus7 - (1)*	Plus7 - (1)*	Strobe*
10	Plus7 - (2)*	Plus7 - (2)*	Plus7 - (2)*	Plus7 - (2)*	Fan control*
11	Plus7 - (3)*	Plus7 - (3)*	Plus7 - (3)*	Plus7 - (3)*	N/A
12	Plus7 - (4)*	Plus7 - (4)*	Plus7 - (4)*	Plus7 - (4)*	N/A
13	Plus7 - (5)*	Plus7 - (5)*	Plus7 - (5)*	Plus7 - (5)*	N/A
14	Plus7 - (6)*	Plus7 - (6)*	Plus7 - (6)*	Plus7 - (6)*	N/A
15	Plus7 - (7)*	Plus7 - (7)*	Plus7 - (7)*	Plus7 - (7)*	N/A

* When this feature is enabled.

Typical Power Consumption (D22)

Lustr+

	100V	120V	230V
Idle Power / Current	7.8W / 0.111	7.6W / 0.111A	7.4W / 0.094A
100% Boost Power / Current	56.8W / 0.578	56.5W / 0.475A	55.1W / 0.288

Studio Tungsten

	100V	120V	230V
Idle Power / Current	7.6W / 0.11A	7.6W / 0.11A	7.2W / 0.094A
100% Boost Power / Current	52.4W / 0.532A	51.8W / 0.445A	50.9W / 0.276

Studio Daylight

	100V	120V	230V
Idle Power / Current	7.3W / 0.093A	7.2W / 0.091A	7.3W / 0.124A
100% Boost Power / Current	55.2W / 0.556A	55W / 0.462A	53.8W / 0.268

Studio HD

	100V	120V	230V
Idle Power / Current	6.7W / 0.095A	6.7W / 0.098A	6.7W / 0.118A
100% Boost Power / Current	55W / 0.555A	54.6W / 0.464A	53.3W / 0.271A

Typical Power Consumption (D40 and D40XT)

Vivid

	100V	120V	240V
Idle Power / Current	10.5W / 0.135A	11W / 0.098A	12.7W / 0.078A
100% Boost Power / Current	102W / 1.12A	98W / 0.82A	95.6W / 0.403

Lustr+

	100V	120V	240V
Idle Power / Current	10.3W / 0.125A	10.5W / 0.094A	12.2W / 0.074A
100% Boost Power / Current	104W / 1.16A	102W / 0.861	99.7 W / 0.418

Fire

	100V	120V	240V
Idle Power / Current	10.5W / 0.125A	10.8W / 0.096A	12.5W / 0.076A
100% Boost Power / Current	91.2W / 1.02A	88.2W / 0.74A	87.2W / 0.369A

Ice

	100V	120V	240V
Idle Power / Current	11.0W / 0.123A	11.2W / 0.099A	12.8W / 0.077A
100% Boost Power / Current	104.2W / 1.17A	102.2W / 0.867A	99.5W / 0.42A

Studio HD

	100V	120V	240V
Idle Power / Current	11.1W / 0.134A	11W / 0.097A	12.8W / 0.077A
100% Boost Power / Current	106.2W / 1.19A	103.5W / 0.883A	101.3W / 0.426A

Studio Daylight

	100V	120V	240V
Idle Power / Current	10.6W / 0.123A	10.6W / 0.095A	12.4W / 0.076A
100% Boost Power / Current	105.1W / 1.12A	103.3W / 0.878A	100.8W / 0.424A

Studio Tungsten

	100V	120V	240V
Idle Power / Current	10W / 0.111A	10.1W / 0.093A	11.9W / 0.075A
100% Boost Power / Current	104W / 1.05A	103.1W / 0.872A	100.3W / 0.422A

Typical Power Consumption (D60)

Vivid

	100V	120V	240V
Idle Power / Current	7.6W / 0.083A	7.7W / 0.083A	9.2W / 0.087A
100% Boost Power / Current	139W / 1.41A	136.1W / 1.15A	130.3W / 0.549A

Lustr+

	100V	120V	240V
Idle Power / Current	7.3W / 0.1A	7.4W / 0.77A	9W / 0.086A
100% Boost Power / Current	143W / 1.46A	140.1W / 0.97A	135.1W /

Fire

	100V	120V	240V
Idle Power / Current	7.9W / 0.105A	7.9W / 0.086A	9.4W / 0.089A
100% Boost Power / Current	129W / 1.35A	126.5W / 1.35A	122.7W / 0.52A

Ice

	100V	120V	240V
Idle Power / Current	7.3W / 0.095A	7.4W / 0.081A	9W / 0.085A
100% Boost Power / Current	148.5W / 1.53A	147W / 1.28A	140.2W / 0.592A

Studio HD

	100V	120V	240V
Idle Power / Current	7.2W / 0.086A	7.3W / 0.082A	8.9W / 0.086A
100% Boost Power / Current	146W / 1.5A	143.7W / 1.24A	138.2W / 0.58A

Studio Daylight

	100V	120V	240V
Idle Power / Current	7.5W / 0.09A	7.6W / 0.084A	9.3W / 0.089A
100% Boost Power / Current	145.5W / 1.48A	142.8W / 1.22A	136W / 0.573A

Studio Tungsten

	100V	120V	240V
Idle Power / Current	7.4W / 0.088A	7.5W / 0.083A	9.1W / 0.088A
100% Boost Power / Current	145.8W / 1.49A	143.3W / 1.23A	137.1W / 0.577A